#2

OIPE

RAW SEQUENCE LISTING   DATE: 07/13/2001
PATENT APPLICATION: US/09/893,499   TIME: 13:55:21

Input Set : **A:\108172-00056.txt**
Output Set: **N:\CRF3\07132001\I893499.raw**

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        3 <110> APPLICANT: Hansen, J. Norman
        5 <120> TITLE OF INVENTION: Construction and Screening of Lantibody Display Libraries
        7 <130> FILE REFERENCE: 108172-00056
C-->    9 <140> CURRENT APPLICATION NUMBER: US/09/893,499
C-->    9 <141> CURRENT FILING DATE: 2001-06-29
        9 <150> PRIOR APPLICATION NUMBER: 60/215,449
       10 <151> PRIOR FILING DATE: 2000-06-29
       12 <160> NUMBER OF SEQ ID NOS: 3
       14 <170> SOFTWARE: PatentIn version 3.1
       16 <210> SEQ ID NO: 1
       17 <211> LENGTH: 2517
       18 <212> TYPE: DNA
       19 <213> ORGANISM: Artificial Sequence
       21 <220> FEATURE:
       22 <223> OTHER INFORMATION: The EcoRI-HindIII insert of the pLPVc intergrative plasmid.
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       27 tcaacgagct ggattaacag gtgggcataa gagttaagat aaatttaaac ttatataaca     120
       29 catcgcttaa agtttttttg ttttaaaaac ttaaaaaaca tggtaaaatt atataaaaac     180
       31 ataagaaaga gtgattatat ggaatatgta gttatgataa tcattttatt agcacttttc     240
       33 tttattttta ctgttttcct aaatacacgt tatagttttg atgaaaaatg cttagtctta     300
       35 aaatttggtt tatctaaaac agaaattcca attaatcaaa tagttagtat taaagagtca     360
       37 gacaagtatg gagttgcaga taatatcgat tataaaattg gtatgccata tgctcaacca     420
       39 gatagaattg ttattgaaac tacaaataag cgtttttctag ttttttttaaa tggagctcaa     480
       41 caatttattc aaaagtataa aagggttagt gtttgaacat aaaaaagtac cttcttacaa     540
       43 tagaaggtac tttttttgtat ctataattat taaaaatta cctaaatttt tatcattatt     600
       45 aattcaaaat aaatccataa tagtcaattt tatttagtgt attacaacca attcggatcc     660
       47 aagcacccat tagttcaaca aacgaaaatt ggataaagtg ggatatttt aaaatatata     720
       49 tttatgttac agtaatattg acttttaaaa aaggattgat tctaatgaag aaagcagaca     780
       51 agtaagcctc ctaaattcac tttagataaa aatttaggag gcatatcaaa tgaacttaa      840
       53 taaaattgat ttagacaatt ggaagagaaa agagatattt aatcattatt tgaaccaaca     900
       55 aacgactttt agtataacca cagaaattga tattagtgtt ttataccgaa acataaaaca     960
       57 agaaggatat aaattttacc ctgcatttat tttcttagtg acaagggtga taaactcaaa    1020
       59 tacagctttt agaactggtt acaatagcga cggagagtta ggttattggg ataagttaga    1080
       61 gccactttat acaattttttg atggtgtatc taaaacattc tctggtatt ggactcctgt    1140
       63 aaagaatgac ttcaaagagt tttatgattt atacctttct gatgtagaga aatataatgg    1200
       65 ttcggggaaa ttgtttccca aacacctat acctgaaaat gcttttttctc tttctattat    1260
       67 tccatggact tcatttactg ggtttaactt aaatatcaat aataatagta attaccttct    1320
       69 acccattatt acagcaggaa aattcattaa taaaggtaat tcaatatatt taccgctatc    1380
       71 tttacaggta catcattctg tttgtgatgg ttatcatgca ggattgttta tgaactctat    1440
       73 tcaggaattg tcagataggc ctaatgactg gctttttataa tatgagataa tgccgactgt    1500
       75 acttttttaca gtcggttttc taatgtcact aacctgcccc gttagttgaa gaagggattc    1560
       77 gtgtattaca accaattctg tttattgata ggtaataaag ttttttttct atgattttatg    1620
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       81 ttcctttata ttaaaaaatg taatccggat tgcaaacaaa tggggaggtt ttacaaatgg    1740
       83 aaaagctatt taaagaagtt aaactcgagg aactcgaaaa ccaaaaaggt agtggattag    1800
       85 gaaaagctca gtgtgctgcg ttgtggctac aatgtgctag tggcggtaca attggttgtg    1860
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 87 gtggcggagc tgttgcttgt caaaactatc gtcaattctg cagataaaac atttgtagag   1920
 89 ggaatatttt aaatattccc tcatatttaa agcggggatt gaaattgaat aagaaaaaga   1980
 91 aatatgttca tactaaacag tttaatagtc atgattgtgg actagcttgt atctcgtcaa   2040
 93 ttttaaagtt tcataacctt aactatggaa ttgatttctt actagaccta attggggata   2100
 95 aggaaggcta tagtttaaga gacttaattg ttatttttaa gaagatgggg ataaaaacta   2160
 97 ggccacttga attgcaagaa aataagacat tcgaagccct aaaacaaata aagctccctt   2220
 99 gtatagcttt gttagaaggg gaggaatatg gacattacat aacaatatac gaaattagaa   2280
101 ataactattt acttgttagt gatcctgata aagacaaaat aactaaaata aaaaaagagg   2340
103 attttgaaag taaattcaca aactttatat tagaaattga caaagagtca attcctgaaa   2400
105 aagaaaaaga tcaaaaaaaa cattcttact tttttaagga catacttttt agaaataaat   2460
107 tgatcgtttt tgtgatttta ttgacttcct tgttcgttgt gggtcttgct gaagctt      2517
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111 <211> LENGTH: 300
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: The sequence of sunA-PG20-SL gene and its corresponding
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118 <220> FEATURE:
119 <221> NAME/KEY: CDS
120 <222> LOCATION: (1)..(300)
121 <223> OTHER INFORMATION:
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126 Met Glu Lys Leu Phe Lys Glu Val Lys Leu Glu Glu Leu Glu Asn Gln
127 1               5                   10                  15
129 aaa ggt agt gga tta gga aaa gct cag tgt gct gcg ttg tgg cta caa      96
130 Lys Gly Ser Gly Leu Gly Lys Ala Gln Cys Ala Ala Leu Trp Leu Gln
131             20                  25                  30
133 tgt gct agt ggc ggt aca att ggt tgt ggt ggc ggc gcc gtt gct tgt     144
134 Cys Ala Ser Gly Gly Thr Ile Gly Cys Gly Gly Gly Ala Val Ala Cys
135         35                  40                  45
137 caa aac tat cgt caa ttc tgt aga ggt ggt ggt ggg gga ggc ggg gga     192
138 Gln Asn Tyr Arg Gln Phe Cys Arg Gly Gly Gly Gly Gly Gly Gly Gly
139     50                  55                  60
141 ggg ggt ggt ggt gga gga ggt ggt ggt ggt ggt ggt atg tca aag ttc     240
142 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Met Ser Lys Phe
143 65                  70                  75                  80
145 gat gat ttc gat cta gat gtt gtg aaa gtc tct aaa caa gac tca aaa     288
146 Asp Asp Phe Asp Leu Asp Val Val Lys Val Ser Lys Gln Asp Ser Lys
147             85                  90                  95
149 atc act ccg caa                                                     300
150 Ile Thr Pro Gln
151             100
154 <210> SEQ ID NO: 3
155 <211> LENGTH: 100
156 <212> TYPE: PRT
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: The peptide sequence of sunA-PG20-SL.
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164 Met Glu Lys Leu Phe Lys Glu Val Lys Leu Glu Glu Leu Glu Asn Gln
165 1               5               10                  15
168 Lys Gly Ser Gly Leu Gly Lys Ala Gln Cys Ala Ala Leu Trp Leu Gln
169             20                  25                  30
172 Cys Ala Ser Gly Gly Thr Ile Gly Cys Gly Gly Gly Ala Val Ala Cys
173         35              40                  45
176 Gln Asn Tyr Arg Gln Phe Cys Arg Gly Gly Gly Gly Gly Gly Gly Gly
177     50              55                  60
180 Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Met Ser Lys Phe
181 65              70                  75                  80
184 Asp Asp Phe Asp Leu Asp Val Val Lys Val Ser Lys Gln Asp Ser Lys
185             85                  90                  95
188 Ile Thr Pro Gln
189             100
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L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date